


**Agenda for Week of: February 25, 2013**

**Character Theme: Scholarship**

<b>Guiding question:</b> 1) How many <b>calories</b> do you burn running up the stairs? 2) How much <b>work</b> is done by pushing a wall for 2 hours?											
<b>Date</b>	<b>Objectives</b>	<b>Homework</b>									
Mon, 2/25	-List the <b>four forces in nature</b> .  -Compare and contrast <i>balanced</i> and <i>unbalanced</i> forces.	Complete a 3-column chart (Due Tues): <table border="1" data-bbox="883 499 1346 638"> <thead> <tr> <th>Force</th><th>Definition</th><th>Picture</th></tr> </thead> <tbody> <tr> <td>Balanced</td><td></td><td></td></tr> <tr> <td>Unbalanced</td><td></td><td></td></tr> </tbody> </table> Color it for extra credit!	Force	Definition	Picture	Balanced			Unbalanced		
Force	Definition	Picture									
Balanced											
Unbalanced											
Tues, 2/26	-Explain that <b>energy lasts forever</b> , but it can change forms.  -List the <b>types of energy</b> and an example of each.	<b>YOUR CHOICE:</b> (due Wednesday): 1) <b>Illustrate</b> and <b>label</b> each type of <b>energy</b> . <b>OR:</b> 2) <b>List</b> each type of <b>energy</b> and give an <b>example</b> of each.									
Wed, 2/27	-Calculate the <b>energy</b> (in Joules) used for you to move a given distance.	1) Finish the <b>post-lab questions</b>									
Thurs, 2/28	-Calculate <b>work</b> done when given a force and distance.	1) <b>Practice problems</b> . 379 #1-5 (Due Friday, see reverse →)									
Fri, 2/29	-Review <b>-Quiz on FORCE, ENERGY &amp; WORK</b>	None ☺									

**REMINDERS**

- 1) Textbook: Look for "Science Spectrum" under "High School Textbooks" in SchoolNet (log in using your **school ID#** as your ID and the password assigned to you. I can reset this for you if need!).
- 2) Calculator: Remember to bring your calculator to class every day! (Cell phones may *not* be used)
- 3) Homework counts for 10% of your grade and SHOULD HELP your grade!
- 4) Have questions? Stay for **tutoring** on Mondays and Thursdays in Room 324 from 2:45 – 3:30.
- 5) Contact me: [kpjohnson@philasd.org](mailto:kpjohnson@philasd.org)



*Congratulations to the top presenters from last week!*



**4<sup>th</sup> Period:** Gabby & Demetri, Keely, Rob & Wesley

**5<sup>th</sup> Period:** Diamond & Adrian, Jimmy & Taj, Yvanel & Khabirah

**7<sup>th</sup> Period:** Navya & Ranita, Amina & Sarah, Haley & Tyreek,  
Carrie, Ruby & Mike, Bianca & Curtis, Sianni & Brittany

*Hard work → Success!*